SUBSTITUTE PTO-1390

TRANSMITTAL LETTER TO THE UNITED STATES **DESIGNATED/ELECTED OFFICE (DO/EO/US) CONCERNING A SUBMISSION UNDER 35 U.S.C. 371**

ATTORNEY'S DOCKET NUMBER 12406-164US1 P2003,0690 US N

J.S. APPLICATION NO (If known, see 37 C.F.R. 1.5								
	J.S.	APPLICATION	N NO	(lf.kn	owa.	Ö	37.C.F.R.	1.5)

INTERNATIONAL APPLICATION NO. INTERNATIONAL FILING DATE

PRIORITY DATÉ CLAIMED

PC1/DE2004/0018// 24 August 2004 30 September 2003							
TITLE OF INVENTION RADIATION DETECTOR							
APPLICANT(S) FOR DO/EO/US Heinz Haas, Frank Möllmer and Michael Schwind							
Applica	nt herewith submits to the United States D	Designated/Elected Office (DO/EO/US)	the following items and other information:				
1.	This is a FIRST submission of items con	ncerning a submission under 35 U.S.C.	371.				
2. 🔲	This is a SECOND or SUBSEQUENT						
3.	This is an express request to begin national examination procedures (35 U.S.C. 371(f)). The submission must include items (5), (6), (9) and (21) indicated below.						
4. 🛛	, ,						
5.	<u>"</u>						
	a. is attached hereto (required onb. has been communicated by the	nly if not communicated by the Internation e International Bureau.	onal Bureau).				
	-	tion was filed in the United States Receiv	ving Office (RO/US).				
6 ⊠		•					
	a. 🛛 is attached hereto.						
7. 🔯	b. has been previously submitted Amendments to the claims of the Interna		0/25115 (- 271/6)(2))				
<i></i> =	a. are attached hereto (required o	only if not communicated by the Internat					
	b. have been communicated by the	he International Bureau.					
	 c. have not been made; however, the time limit for making such amendments has NOT expired. d. have not been made and will not be made. 						
8.	An English language translation of amen		e 19 (35 U.S.C. 371(c)(3)).				
9. 🔲	An oath or declaration of the inventor(s)						
10.	An English language translation of the ar Article 36 (35 U.S.C. 371(c)(5)).	nnexes to the International Preliminary	Examination Report under PCT				
Iter	ms 11 to 20 below concern document(s)						
11. 🛛	An Information Disclosure Statement un	ider 37 C.F.R. 1.97 and 1.98.					
12.	An assignment document for recording.	A separate cover sheet in compliance w	vith 37 C.F.R. 3.28 and 3.31 is included.				
13.	A preliminary amendment.						
14. 🔲	An Application Data Sheet under 37 C.F.R. 1.76.						
15.	A substitute specification.						
16.	A power of attorney and/or change of address letter.						
17.	A computer-readable form of the sequence listing in accordance with PCT Rule 13ter.2 and 37 C.F.R. 1.821 - 1.825.						
18.	A second copy of the published international application under 35 U.S.C. 154(d)(4).						
19.	A second copy of the English language translation of the international application under 35 U.S.C. 154(d)(4).						

CERTIFICATE OF MAILING BY EXPRESS MAIL EV 664070796 US March 23, 2006 Express Mail Label No. Date of Deposit:

Amount to be

charged:

\$0.00

SUBSTITUTE PTO-1390 U.S. ARPLICATION NOT (if known see SEC.F.R. 1.5) INTERNATIONAL APPLICATION NO. ATTORNEY'S DOCKET NUMBER PCT/DE2004/001877 12406-164US1 20. Other items or information: Substitute Specification (clean copy) Substitute Specification (version with marking to show changes made) Statement of Substitute Specification International Search Report Certificate of English Translation The following fees have been submitted CALCULATIONS PTO USE ONLY 21. Basic national fee (37 CFR 1.192(a))\$300 \$300.00 22. Examination fee (37 CFR 1.492(c)) If the written opinion prepared by ISA/US or the international preliminary examination report prepared \$200.00 by the IPEA/US indicates all claims satisfy provisions of PCT Article 33(1)-(4)......\$0 All other situations\$200 23. 🔯 Search fee (37 CFR 1.92(b)) If the written opinion of the ISA/US or the international preliminary examination report prepared by \$400.00 IPEA/US indicates all claims satisfy provisions of PCT Article 33(1)-(4).....\$0 Search fee (37 CFR 1.445(a)(2)) has been paid on the international application to the USPTO as an International Searching Authority......\$100 International Search Report prepared by an ISA other than the US and provided to the Office or previously communicated to the US by the IB\$400 All other situations\$500 \$900.00 Total of 21, 22 and 23 =Additional fee for specification and drawings filed in paper over 100 sheets (excluding sequence listing in compliance with 37 CFR 1.821(c) or (e) or computer program listing filed in an electronic medium) (37 CFR 1.492(i)). The fee is \$250 for each additional 50 sheets of paper or fraction thereof. **Total Sheets** Extra Sheets Number of each additional 50 or fraction **RATE** thereof (round up to a whole number) -100 =/50= X \$250 \$0.00 Surcharge of \$130 for furnishing any of the search fee, examination fee, or the oath or declaration after the date of commencement of the national stage (37 C.F.R. 1.492(h)). \$0.00 CLAIMS NUMBER FILED NUMBER EXTRA RATE Total Claims 21 - 20 = 1 x \$50 \$50.00 Independent Claims 2 - 3 = 0 x \$200 \$0.00 MULTIPLE DEPENDENT CLAIM(S) (if applicable) + \$360 \$0.00 TOTAL OF ABOVE CALCULATIONS = \$950.00 Applicant claims small entity status. See 37 C.F.R. 1.27. Fees above are reduced by 1/2. \$0.00 SUBTOTAL = \$950.00 Processing fee of \$130 for furnishing the English translation later than 30 months from the earliest claimed priority date (37 C.F.R. 1.492(i)) \$0.00 TOTAL NATIONAL FEE = \$950.00 Fee for recording the enclosed assignment (37 C.F.R. 1.21(h)). The assignment must be accompanied by an appropriate cover sheet (37 C.F.R. 3.28, 3.31). \$40.00 per property \$0.00 TOTAL FEES ENCLOSED = \$950.00 Amount to be \$0.00 refunded:

1		SUBSTITUTE P 1 O-1390				
a. 🗌	A check in the amount of \$950.00 to cover the above fees is enclose	d. IAP20 Resid FOTTFTO 23 MAR 2008				
ъ. 🗌	Please charge my Deposit Account No. 06-1050 in the amount of \$0 A duplicate copy of this sheet is enclosed.	0.00 to cover the above fees.				
c. 🛛	The Commissioner is hereby authorized to charge any additional fees which may be required, or credit any overpayment to Deposit Account No. 06-1050. A duplicate copy of this sheet is enclosed.					
d. 🗌	Fees are to be charged to a credit card. WARNING: Information on this form may become public. Credit card information should not be included on this form. Provide credit card information and authorization on PTO-2038.					
	Where an appropriate time limit under 37 C.F.R. 1.495 has not l granted to restore the International Application to pending stati					
SEND A	LL CORRESPONDENCE TO:	Amory				
	PTO Customer No: 26161	SIGNATURE				
Ī	F10 Customer No: 20101	Marc M. Wefers, Ph.D., J.D.				
		NAME				
		56,842				
		REGISTRATION NUMBER				
•						
	<i>:</i>					
 						

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Transtek Associates, Inc.



March 10, 2006

This is a true and accurate translation, to the best of our knowledge and ability, of the German Document, (Transtek Document No. GE0306), submitted to Transtek Associates, Inc. for rendering into English.

TRANSTEK ASSOCIATES, INC.

Michele Phillips, President

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant: Heinz Haas et al.

Art Unit : Unknown

Filed

Serial No.: To Be Assigned

Examiner: Unknown

: Herewith

Title

: RADIATION DETECTOR

Mail Stop PCT

Commissioner for Patents P.O. Box 1450 Alexandria, VA 22313-1450

STATEMENT OF SUBSTITUTE SPECIFICATION UNDER 37 CFR § 1.125

Pursuant to 37 CFR § 1.125, Applicants submit a substitute specification encompassing changes being made to the translation of English specification of original International Application PCT/DE2004/001877 filed on August 24, 2004. No new matter is introduced by the attached substitution specification, and Applicants request its entry.

Also attached is a marked-up version showing the changes that have been made.

Respectfully submitted,

Marc M. Wefers, Ph.D., J.D.

Reg. No. 56,842

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CERTIFICATE OF MAILING BY EXPRESS MAIL

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March 23, 2006

Date of Deposit